



# CITRUS JUNE FORECAST

Cooperating with the Florida Department of Agriculture and Consumer Services  
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June 10, 2022

**Florida All Orange Production is Up 1 Percent**  
**Florida Non-Valencia Orange Production Unchanged**  
**Florida Valencia Orange Production Up 2 Percent**  
**Florida All Grapefruit Production Down 3 Percent**  
**Florida All Tangerine and Tangelo Down 6 Percent**

FORECAST DATES - 2021-2022 SEASON  
July 12, 2022

## Citrus Production by Type – States and United States

Crop and State	Production <sup>1</sup>		2021-2022 Forecasted Production <sup>1</sup>	
	2019-2020 (1,000 boxes)	2020-2021 (1,000 boxes)	May (1,000 boxes)	June (1,000 boxes)
<b>Non-Valencia Oranges <sup>2</sup></b>				
<b>Florida</b> .....	<b>29,650</b>	<b>22,700</b>	<b>18,200</b>	<b>18,200</b>
California <sup>3</sup> .....	43,300	41,300	43,000	43,000
Texas <sup>3</sup> .....	1,150	1,000	250	250
United States.....	74,100	65,000	61,450	61,450
<b>Valencia Oranges</b>				
<b>Florida</b> .....	<b>37,750</b>	<b>30,250</b>	<b>22,000</b>	<b>22,500</b>
California <sup>3</sup> .....	10,800	7,700	8,300	8,300
Texas <sup>3</sup> .....	190	50	100	100
United States.....	48,740	38,000	30,400	30,900
<b>All Oranges</b>				
<b>Florida</b> .....	<b>67,400</b>	<b>52,950</b>	<b>40,200</b>	<b>40,700</b>
California <sup>3</sup> .....	54,100	49,000	51,300	51,300
Texas <sup>3</sup> .....	1,340	1,050	350	350
United States.....	122,840	103,000	91,850	92,350
<b>Grapefruit</b>				
<b>Florida-All</b> .....	<b>4,850</b>	<b>4,100</b>	<b>3,400</b>	<b>3,300</b>
<b>Red</b> .....	<b>4,060</b>	<b>3,480</b>	<b>2,900</b>	<b>2,800</b>
<b>White</b> .....	<b>790</b>	<b>620</b>	<b>500</b>	<b>500</b>
California <sup>3,4</sup> .....	4,700	4,200	4,100	4,100
Texas <sup>3</sup> .....	4,400	2,400	2,000	2,000
United States.....	13,950	10,700	9,500	9,400
<b>Lemons <sup>3</sup></b>				
Arizona.....	1,800	750	1,500	1,500
California.....	25,300	20,100	23,000	23,000
United States.....	27,100	20,850	24,500	24,500
<b>Tangerines and Tangelos</b>				
<b>Florida</b> .....	<b>1,020</b>	<b>890</b>	<b>800</b>	<b>750</b>
California <sup>3</sup> .....	22,400	28,800	21,000	21,000
United States.....	23,420	29,690	21,800	21,750

<sup>1</sup> Net pounds per box: oranges in California-80, Florida-90, Texas-85; grapefruit in California and Texas-80, Florida-85; lemons-80; and tangerines and mandarins in California-80, Florida-95.

<sup>2</sup> Early non-Valencia (including Navel) and mid-season non-Valencia varieties in Florida; Navel and miscellaneous varieties in California; Early and mid-season varieties in Texas.

<sup>3</sup> Estimates carried forward from May forecast.

<sup>4</sup> Includes pummelos in California.

## **All Oranges 40.7 Million Boxes**

The 2021-2022 Florida all orange forecast released today by the USDA Agricultural Statistics Board is 40.7 million boxes. The total includes 18.2 million boxes of non-Valencia oranges (early, mid-season, and Navel varieties) and 22.5 million boxes of Valencia oranges.

## **Non-Valencia Oranges 18.2 Million Boxes**

The forecast of non-Valencia orange production is 18.2 million boxes. The Navel forecast, included in the non-Valencia portion of the forecast is 490,000 boxes, 3 percent of the non-Valencia total.

## **Valencia Oranges 22.5 Million Boxes**

The forecast of Valencia orange production is 22.5 million boxes. The Row Count survey conducted May 31, 2022, showed Valencia harvest is relatively complete. Estimated utilization to June 1, including an allocation for other use, is 22.4 million boxes.

## **All Grapefruit 3.30 Million Boxes**

The forecast of all grapefruit production is 3.30 million boxes. The white grapefruit forecast is unchanged at 500,000 boxes. The red grapefruit forecast is lowered 100,000 boxes to 2.80 million boxes. The Row Count survey conducted May 31, 2022, indicated harvest is complete for these varieties.

## **Tangerines and Tangelos 750,000 Boxes**

The forecast for tangerines and tangelos is final at 750,000 boxes. This production level is 16 percent less than last season's final production of 890,000 boxes. This forecast number includes all certified tangerine and tangelo varieties.

## **Maturity Tests**

There were no maturity test samples for this forecast.

## **Reliability**

To assist users in evaluating the reliability of the June 1 Florida production forecasts, the "Root Mean Square Error," a statistical measure based on past performance, is computed. The deviation between the June 1 production forecast and the final estimate is expressed as a percentage of the final estimate. The average of squared percentage deviations for the latest 20-year period is computed. The square root of the average becomes statistically the "Root Mean Square Error." Probability statements can be made concerning expected differences in the current forecast relative to the final end-of-season estimate, assuming that factors affecting this year's forecast are not different from those influencing recent years.

The "Root Mean Square Error" for the June 1 Florida all orange production forecast is 1.1 percent. If you exclude the three abnormal production seasons (three hurricane seasons), the "Root Mean Square Error" is 0.8 percent. This means chances are 2 out of 3 that the current all orange production forecast will not be above or below the final estimates by more than 1.1 percent, including abnormal seasons, or 0.8 percent, excluding abnormal seasons. Chances are 9 out of 10 (90 percent confidence level) that the difference will not exceed 1.9 percent including abnormal season and or 1.4 percent excluding abnormal seasons.

Changes between the June 1 Florida all orange forecast and the final estimates during the past 20 years have averaged 1.20 million boxes (1.01 million boxes, excluding abnormal seasons), ranging from 0.10 million boxes to 5.30 million boxes including abnormal seasons, (0.10 to 3.00 million boxes excluding abnormal seasons). The June 1 forecast for all oranges has been below the final estimate 14 times, above 6 times, (below 13 times, above 4 times, excluding abnormal seasons). The difference does not imply that the June 1 forecasts this year are likely to understate or overstate final production.